

REMARKS

Reconsideration of the above referenced application as amended is respectfully requested.

Claim Objections

Claim 5 has been rejected for the reasons presented in the Office Action page 2, Section 2. Claim 5 has been amended in accordance with the Examiner's suggestion.

Claim Rejections - 35 USC § 112

Claims 16 and 18-21 have been rejected for the reasons present in the Office Action pages 2-3, Section 4.

Claim 16 has been amended to be directed to the composition selective for reduction of nitrous oxide recited in claim 1 and "the catalyst composition comprising the BETA zeolite" and therefore has antecedent basis.

Claim 18 was rejected based on lack of antecedent basis for "the sequence of flow", "the gaseous stream" and "the catalyst". The amendment to the claims overcomes this rejection. (Basis for amendments is in the specification at 7, lines 1-3)

Claim Rejections - 35 USC § 102

Claims 1-16 and 18-21 were all rejected under 35 USC § 102(b) over one or more of: US Patent No. 5,200,162 to Riley et al. (Riley); US Patent No. 4,571,329 to Kato et al. (Kato); US Patent No. 5,756,057 to Tsuchitani et al. (Tsuchitani); and WO 97/10042 to Fetzner et al. (Fetzner), reference being made to corresponding US Patent No. 6,056,928, as shown in the following Table.

Claim Rejections - 35 USC § 102

Claim	Riley	Kato	Tsuchitani	Fetzer
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X		X
5		X		
6		X		
7		X		
8	X	X	X	X
9				X
10	X	X	X	X
11	X	X	X	X
12	X	X		X
13	X	X		X
14	X	X		X
15	X	X	X	X
16	X	X		X
18	X	X	X	X
19	X	X	X	X
20			X	X
21	X	X		X

Amendments to the Claims

Claim 1 has been amended to correspond to original dependent claim 9, and claims 8 and 9 have been cancelled. Claim 9 has only been rejected as anticipated by the Fetzer reference. Accordingly, amended claim 1 is no longer anticipated by Riley, Kato or Tsuchitani.

Additionally, claim 1 as amended to correspond to original claim 9 is not anticipated by Fetzer for the following reasons.

Present claim 1 is directed to a method for ammonia-mediated reduction of nitrous oxide comprising contacting a gas stream containing the nitrous oxide and ammonia with a catalyst composition comprising a BETA zeolite. Fetzer does not disclose or suggest the use of ammonia in combination with BETA zeolite for ammonia-mediated reduction of nitrous oxide as presented in claim 1. Fetzer discloses the use of ammonia in Stage C for "reduction of nitrogen oxides other than N<sub>2</sub>O" (Fetzer col. 4, lines 35-36). Accordingly, Fetzer does not anticipate claim 1. Furthermore the claims depending from claim 1 include the limitations thereof and are not anticipated by Fetzer.

Claim 18 has been amended to be directed to a specific embodiment having basis in claim 9. Claim 9 has only been rejected as anticipated by the Fetzer reference. Accordingly, amended claim 18 is no longer anticipated by Riley, Kato or Tsuchitani.

Additionally, claim 18 as amended to be directed to a specific embodiment having basis in claim 9 is not anticipated by Fetzer for the following reasons.

Present claim 18 is directed to a method for ammonia-mediated N<sub>2</sub>O and NO<sub>x</sub> reduction, comprising contacting a gas stream containing ammonia with a catalyst bed having an upstream catalyst and a downstream catalyst sensed relative to flow of the gas stream through the catalyst bed wherein one catalyst is selective for the reduction of N<sub>2</sub>O and the other catalyst is selective for the reduction of NO<sub>x</sub>.

Fetzer does not disclose or suggest the use of ammonia in combination with BETA zeolite for ammonia-mediated reduction of nitrous oxide as presented in claim 18. As recited above, Fetzer discloses the use of ammonia in Stage C for "reduction of nitrogen oxides other than N<sub>2</sub>O" (Fetzer col. 4, lines 35-36). Accordingly, Fetzer does not anticipate claim 18. Furthermore the claims depending from claim 18 include the limitations thereof and are not anticipated by Fetzer.



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For the above reasons, presently presented claims 1-7, 10-16, and 18-21 are not anticipated Riley, Kato, Tsuchitani or Fetzer.

Accordingly, withdrawal of the objection to claim 5, and rejection of the claims and rejection of various of the claims under 35 USC § 112 and 35 USC § 102(b) and allowance of claims 1-7, 10-16, and 18-21 is respectfully requested.

If, for any reason, the Examiner believes that direct contact with applicants' attorney would advance the prosecution of this application to finality, the Examiner is invited to telephone the undersigned at the number given below.

Respectfully submitted,

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